BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work: :-Annual maintenance of street lights Package - D 1 In Kammagondanahalli surrounding area ward no 12

Job Code No:-012-22-000004

Agreement No:EE/Ele/DZ/TEND/AGR/000009/2022-23 Date:31.03.2022

Ref no and Date of commencement of work Order :-:-EE/(Elec)/DZ/TEND/WO/000001/2022-23 Date:04-04-2022

Estimate Amount:Rs. 2950000.00

Administartive Sanction No:EE/(Elec)/DZ/TEND/AS/10/2021-22 Date 21-03-2022

Technical Sanction No:EE/(Elec)/DZ/TEND/TS/127/2021-22 Date:05-01-2022

Name of Contractror of nature of Agency:- CHIKKANNA G (CHETHAN ELECTRICALS)

Measurement Book No: 3402 /18-19 Page No: Date:

Bill NO - RA Bill Bill Period :- 1/11/2022 to 30/11/2022

Sl. No.	Description	Unit	Period 1Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	1	320	685.45	57.12	18278.40
	No of complaints attended for the period of 01/11/2022 to 30/11/2022						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Nos	1	22	756.29	63.02	1386.44
	No of complaints attended for the period of 01/11/2022 to 30/11/2022 — 17 NO'S						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	1780	1019.41	84.95	151211
	No of complaints attended for the period of 01/11/2022 to 30/11/2022 — 223 NO'S						

EE (Ele) DZ

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Scanned by CamScanner

Name of Work : Annual Maintenance of street lights package D-1 in

4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise data bank, furnishing maintenance reports ,every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system	Each	1	80	1118 08	93 17	7453 60
	No of complaints attended for the period of 01/11/2022 to 30/11/2022	12 NOS					
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system.	Each	1	4	880 01	73 33	293 32
	No of complaints attended for the period of 01/11/2022 to 30/11/2022						
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each	1	350	1147 43	95 61	33463 50
	No of complaints attended for the period of 01/11/2022 to 30/11/2022	40 NOS					
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each	1	90	1377 66	114 80	10332 00
	No of complaints attended for the period of 01/11/2022 to 30/11/2022	97 NOS					
8	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Nos	1	0	1575 5	131 29	0
	No of complaints attended for the						

ASST EXECUTIVE ENGINEER (Elo)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

9	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system.	Nos	1	0	1071 51	155 96	0
	No of complaints attended for the period of 01/11/2022 to 30/11/2022						
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm	Each	0	0	5127	5127 00	0
11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	0	0	7200	7200 00	0
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 50 63 Amps SP	Each	0	0	723	723 00	0
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers	Each	0	0	4030	4030 00	0
14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 6 sqmm	Mtr	0	0	70	70 00	0
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6 sqmm	Each	0	0	7	7 00	0
	TOTAL						222418 26
	Add GST 12 % on item no 10 to 15						0 00
	TOTAL Rs						222418 26
	Fine imposed for non burning of street lights For the period 01/11/2022 to31/11/2022						3600 00
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material						4448 37
	GRAND TOTAL						214369 89

CERTIFICATE

1 This is to certify that the work done is saticefactorily.
2 This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.
3. This no objection certificate issued for claim.

Junior Engineer(Elec)
Dasarahalli Division

Asst Exe Engineer(Elec)
Dasrahalli Division

Ex Executive Engineer (Elo)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Scanned by CamScanner